

5 **ABSTRACT OF THE DISCLOSURE**

A cylinder assembly for a hermetic compressor includes a cylinder block having a cylinder in which a piston reciprocates; a cylinder head connected to a cylinder block to seal the cylinder, the head having an inlet hole and being divided by a partition into a first and a second discharge chamber that serve as an outlet path. A valve assembly formed between the cylinder block and the cylinder head, which controls refrigerant outlet and inlet to and from the cylinder according to different refrigerant pressures inside and outside the cylinder. When a sound wave (that is created as the suction valve or the discharge valve hits the valve plate) escapes to a discharge valve through a first and second discharge chambers, sound transmission loss occurs due to boundary interference and as a result, the sound wave is reduced. By this method, noise can be reduced in operating the compressor.

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